

NRO REVIEW
COMPLETED

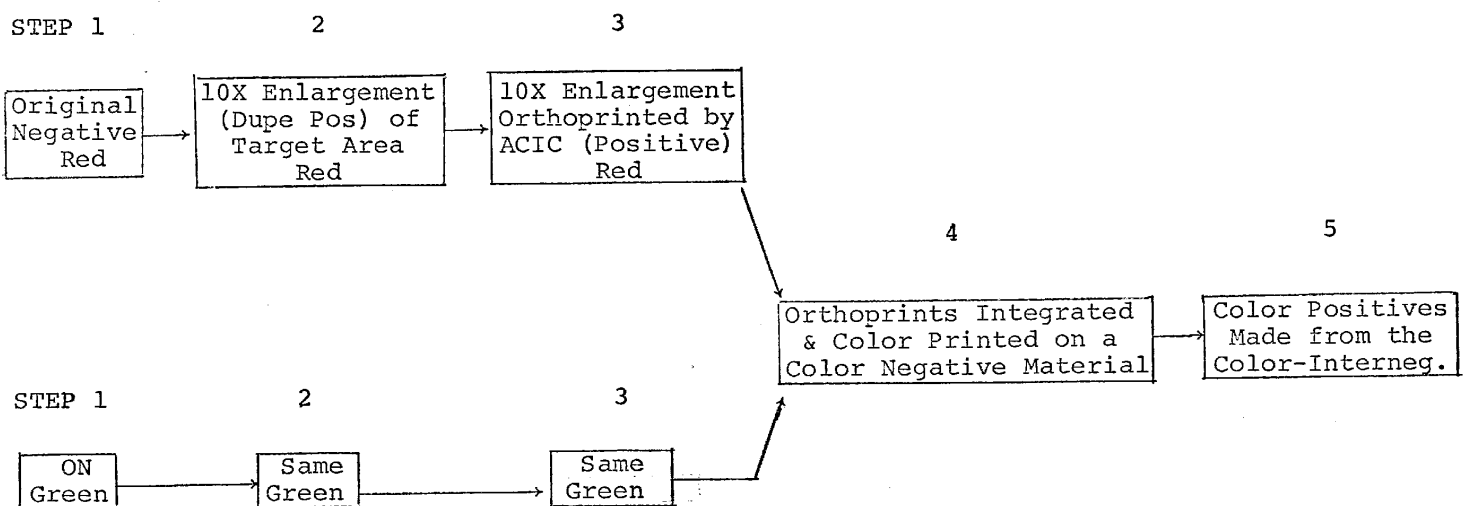
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FIGURE 1

PROCESS USED TO DATE IN PRODUCING

BI-COLOR FROM MISSION

25X1



Declass Review by NIMA / DoD

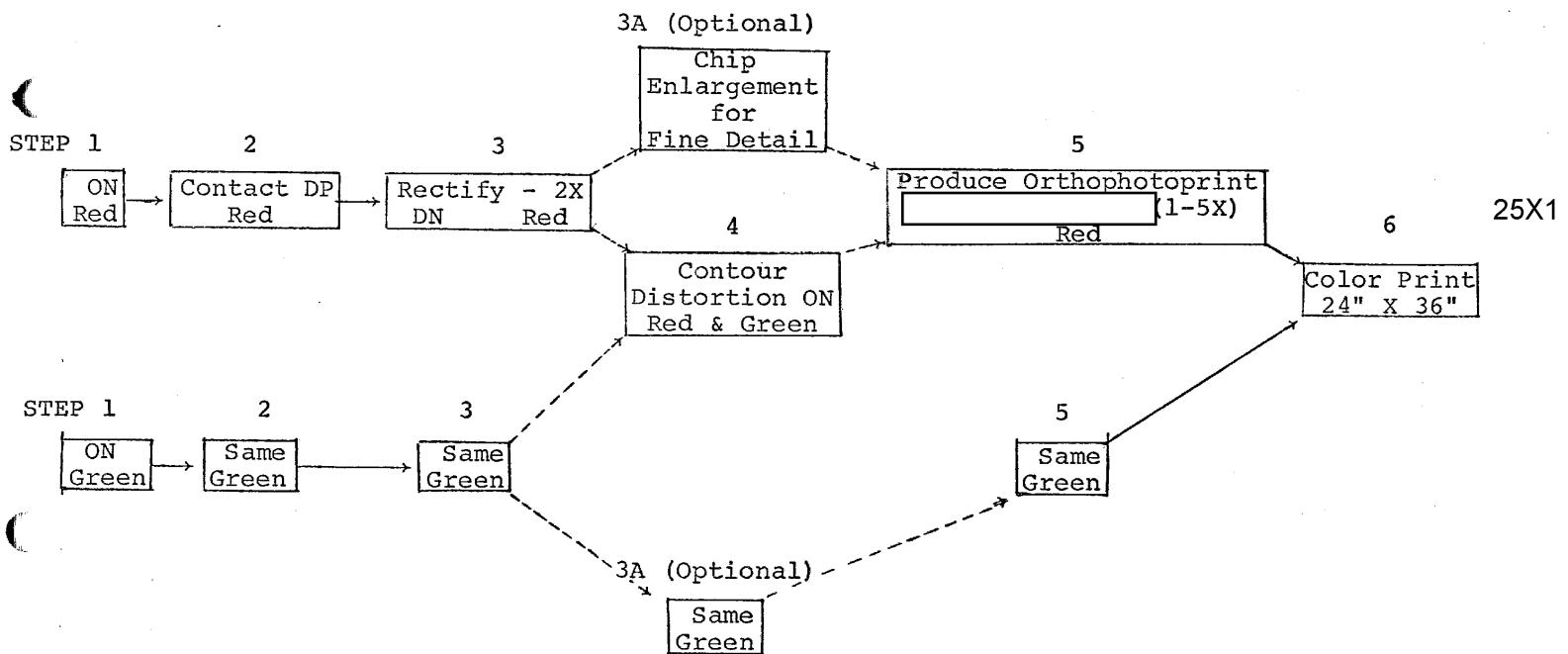
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FIGURE 2

PROPOSED BI-COLOR PRINTING TECHNIQUE



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TAB A

HEADQUARTERS

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1. REF B MEETING WAS CALLED TO REVIEW THE PROCEDURES AND EQUIPMENT EMPLOYED TO DATE IN THE ANALYSIS OF MISSION [REDACTED] BI-COLOR ACQUISITIONS. IN ATTENDANCE AT THIS MEETING WERE

25X1

25X1

[REDACTED]

SEVERAL PROBLEMS WITH CURRENTLY EMPLOYED TECHNIQUES WERE DISCUSSED AND ALTERNATIVES CONSIDERED. IT IS THE OPINION OF THE ABOVE GROUP THAT THE BEST POSSIBLE BI-COLOR PRINTS HAVE NOT YET BEEN ACHIEVED AND THAT A TEST PROGRAM SHOULD BE UNDERTAKEN TO EVALUATE THE SEVERAL PROCESSES.

2. THE FOLLOWING TEST PLAN IS PROPOSED:

A. THE TEST IS AIMED AT COMPARING THE AS-11C AND UNIMACE ORTHOPRINTERS WITH THE [REDACTED] ORTHOPHOTO-PRINTER. IT SHOULD BE POINTED OUT THAT THE AS-11C AND UNIMACE EQUIPMENTS ARE ELECTRONIC DEVICES WHEREAS THE

25X1

[REDACTED] IS OPTICAL. TO THIS POINT [REDACTED]

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HAS NOT BEEN USED FOR PANORAMIC PHOTOGRAPHY, AND ITS USE FOR BI-COLOR EXPLOITATION HAS NOT BEEN PROVEN. HOWEVER,

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25X1 HEADQUARTERS [REDACTED]

DISCUSSION WITH ACIC PERSONNEL INDICATE THAT CONCEPTUALLY THIS TECHNIQUE SHOULD BE SUCCESSFUL.

B. TWO OPERATIONAL TARGETS WILL BE SELECTED BY NPIC FOR THIS TEST PROGRAM. NPIC WILL MAKE THE REQUIRED CONTACT AND ENLARGED DUPE POSITIVES. NOMINALLY WE ANTICIPATE THREE MAGNIFICATIONS (5-10-20X).

25X1 C. ACIC WILL MAKE ORTHOPRINTS OF THESE AREAS USING BOTH THE AS-11C AND [REDACTED] EQUIPMENTS. ACIC WILL ALSO PRODUCE THE REQUIRED RECTIFICATIONS FOR THE [REDACTED] 25X1 [REDACTED] TEST.

25X1 D. DIA IS REQUESTED TO PRODUCE ORTHOPRINTS FROM THE SAME AREAS USING THE UNIMACE.

E. ALL ORTHOPRINTS WILL BE FORWARDED TO NPIC FOR COLOR PRINTING WITH [REDACTED] ASSISTANCE IF DESIRED. 25X1

F. NPIC WILL EVALUATE THE RELATIVE QUALITY OF THE THREE TECHNIQUES AND DETERMINE WHICH ONE(S) ARE PREFERABLE FOR BI-COLOR EXPLOITATION.

3. SPECIFIC ACTION REQUESTED:

A. NPIC PARTICIPATE IN AND COORDINATE THE TEST PROGRAM.

B. ACIC AND DIA BE AUTHORIZED TO PARTICIPATE IN THE TEST.

C. ACIC SPECIFY THE DENSITY RANGE OF THE POSITIVES TO BE USED IN THEIR INSTRUMENTS. 25X1

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HEADQUARTERS [REDACTED]

D. DIA SPECIFY THE DENSITY RANGE OF THE POSITIVES TO BE USED IN THEIR INSTRUMENTS.

E. NPIC SELECT TARGETS TO BE USED FOR THE TEST. THESE WILL BE LIMITED TO TWO TARGETS.

F. NPIC MAKE ALL REQUIRED DUPES.

4. BACKGROUND:

THE MAIN TECHNIQUE USED TO DATE IN PRODUCING BI-COLOR PRINTS FROM MISSION [REDACTED] HAS BEEN ORTHOPRINTING. THIS EQUIPMENT INTRODUCES COLOR SHIFTS DUE TO THE ELECTRONIC SCANNING. ALSO, ONLY RELATIVELY SMALL AREAS CAN BE ACCOMMODATED WHILE MAINTAINING THE REQUIRED RESOLUTION AND QUALITY. THE [REDACTED] DEVICE IS OPTICAL WHICH CAN POTENTIALLY ELIMINATE THESE PROBLEMS. BEFORE ANY MORE PRODUCTION OF OPERATIONAL BI-COLOR IS DONE, WE NEED TO SETTLE ON THE BEST TECHNIQUE FOR PRODUCING THE COLOR PRINTS. NO FURTHER WORK [REDACTED] IS ANTICIPATED UNTIL THIS TEST IS COMPLETED AND THE OPTIMUM TECHNIQUE DESCRIBED. IT IS ANTICIPATED THAT THE TEST PROGRAM WILL BE COMPLETED IN SIX WEEKS.

END OF MESSAGE

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DIVISION ROUTING SLIP		DATE
	CL/TSSG	
/	CH/TAD	<i>JS</i>
/	DC/TAD	
-	PMO/TAD	
	SEC/TAD	
2	CH/IEB	<i>2L</i>
	DC/IEB	
3	CH/IEB/SEC I	<i>WSE</i>
	CH/IEB/SEC II	
4	CH/ISAB	<i>10/4</i>
	DC/ISAB	
	CH/ISAB/PAS	
	CH/ISAB/DAS	
	FILE:	
	REMARKS:	